

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Original) A radio video transmission device for encoding and packetizing video data and radio-transmitting a packet, the radio video transmission device being configured such that serial number information indicating the order of transmission of the packet is added to the packet.
2. (Original) A signal generation device for encoding and packetizing video data,
wherein
a packet including information obtained by encoding a video signal in units of a video signal corresponding to a predetermined number of vertical periods is generated,
and
serial number information indicating the order of generation of the packet is added to the packet in the order in which the packet is generated.
3. (Original) A signal generation device according to claim 2, wherein
a flag indicative of a header portion of the packet is added to the header portion of the packet.
4. (Original) A radio video reception device for radio-receiving video data which is encoded and packetized, comprising:
means for detecting serial number information added to a packet to thereby determine absence of the packet;
a memory for storing the video data which have been decoded corresponding to at least one field;
means for sequentially updating received video data which are received normally and recording the video data in the memory; and
control means for outputting the video data stored in the memory in place of video data being received, when packet absence is determined.

5. (Original) A signal decoding device for decoding into a video signal a signal contained in a packet which is received through radio communication, comprising:

a packet absence detection circuit for detecting serial number information added to the packet which is radio-received to thereby determine absence of the packet;
a decoding circuit for decoding the radio-received packet into a video signal; and
a memory for storing the video signal,

wherein

when absence of the packet is not detected in the packet absence detection circuit, at least a portion of the video signal which is decoded in the decoding circuit is stored in the memory, and

when absence of the packet is detected in the packet absence detection circuit, the video signal stored in the memory is output.

6. (Original) A signal decoding device according to claim 5, comprising:

a flag extraction circuit for extracting a flag indicative of a header portion of a transmission signal added to the header portion of the radio-received transmission signal and outputting a reference signal at timing of extracting the flag,

wherein the decoding circuit decodes a signal contained in the packet at timing in accordance with the reference signal output from the flag extraction section.

7. (Currently Amended) A radio video transmission/reception system comprising:

a radio video transmission device ~~according to claim 1~~ for encoding and packetizing video data and radio-transmitting a packet, wherein the radio video transmission device is configured such that serial number information indicating the order of transmission of the packet is added to the packet; and

a radio video reception device ~~according to claim 4~~ for radio-receiving video data which is encoded and packetized, wherein the radio video reception device comprises: means for detecting serial number information added to a packet to thereby determine absence of the packet,

a memory for storing the video data which have been decoded corresponding to at least one field,

means for sequentially updating received video data which are received normally and recording the video data in the memory, and
control means for outputting the video data stored in the memory in place of video data being received, when packet absence is determined.

8. (Currently Amended) A signal generation/decoding device comprising:

a signal generation device ~~according to claim 2~~ for encoding and packetizing video data, wherein

a packet including information obtained by encoding a video signal in units of a video signal corresponding to a predetermined number of vertical periods is generated, and

serial number information indicating the order of generation of the packet is added to the packet in the order in which the packet is generated; and

a signal decoding device ~~according to claim 5~~ for decoding into a video signal a signal contained in a packet which is received through radio communication, wherein the signal decoding device comprises:

a packet absence detection circuit for detecting serial number information added to the packet which is radio-received to thereby determine absence of the packet,

a decoding circuit for decoding the radio-received packet into a video signal, and

a memory for storing the video signal,

wherein

when absence of the packet is not detected in the packet absence detection circuit, at least a portion of the video signal, which is decoded in the decoding circuit, is stored in the memory, and

when absence of the packet is detected in the packet absence detection circuit, the video signal stored in the memory is output.